

Grey

### Electrical Properties:\*

Property	Test Method	Value
RTG Resistance:	ANSI ESD S7.1	10 <sup>8</sup> ohms
RTT Resistance:	ANSI ESD S7.1	10 <sup>8</sup> ohms

\*Electrical Properties are electrical measurements obtained by testing to industrial standards by an independent testing laboratory @ 100 Volts and 50% relative humidity unless otherwise specified. Complete text of the test report is available upon request.

#### Disclaimer:

All statements, technical data, and recommendations contained herein are based upon tests we believe to be reliable. However, the accuracy or completeness thereof is not guaranteed. The proper and correct applications of products and data is the responsibility of the user. Statements or recommendations not contained herein shall have no force or effect unless embodied in a written agreement signed by authorized offers of Desco Industries, Inc.

**See reverse side for available mat and roll sizes.**

Matting materials have a tendency to shrink slightly when first unrolled. In applications where length is critical, allow the material to relax for at least 4 hours before cutting to size. Always trim with a sharp knife or razor blade.

### Specifications:

Construction: Foamed Homogeneous Vinyl/Nitrile Rubber. Electrical properties consistent throughout. When used as a standing surface, it is designed specifically to reduce fatigue

Thickness: 0.375 inches (9.5mm)

Texture:\* Non-directional, embossed, soil and abrasion resistant

Color:\* Grey

Weight: 0.65 lbs/ft<sup>2</sup> (0.317g/cm<sup>2</sup>)

Hardness: ASTM-D-2240-75 65 Shore "00"

Wear Resistance: Negligible-Tabor Abrader, 500 Cycles CS-17 wheels, 10,000 grams load

Heat Resistance: -20°F to 140°F continuous

\*Color and texture may vary between lots and mills

**Grounding:** This material must be properly grounded for optimum electrical performance. Ask for Tech Brief PS-2013 for mat grounding instructions.

**Cleaning:** For optimum electrical performance, surface must be cleaned regularly using an ESD mat cleaner. ESD Systems.com suggests using our Reztore™ Surface & Mat Cleaner Item #16030 or Static Wipes Item #16020. Do not use cleaners with silicone. Silicone buildup will create an insulative film on the surface.

#### RoHS Compliance Statement

None of the following materials are intentionally added in manufacturing this product: lead, mercury, cadmium, hexavalent chromium, polybrominated biphenyls (PBB) or polybrominated diphenyl ethers (PBDE) as outlined in the Directive 2002/95/EC Article 4.1. See Desco Industries Inc. letter on-line at [ESDSystems.com](http://ESDSystems.com).

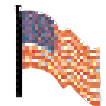
### Description:

Statfree S Plus™ material is specifically designed to reduce fatigue in areas where standing is required for long periods of time. This material has been produced since 1984 and has been in the field since that time with no reported loss of electrical properties due to wear or aging. This floormat combines excellent ESD protection and durability.

Statfree S Plus™ meets the requirements of DOD-HDBK-263, DTD-STD-2000, ANSI ESD S7.1 and EN 100 015 Issue 1.

#### Limited Lifetime Warranty:

ESD Systems warrants for one year that Statfree® matting products will be free of defects in materials and workmanship and will guarantee dissipative/conductive mat properties for the life of the mat. Damage to matting caused by misuse of any kind, including using inappropriate cleaners is not covered by ESD Systems Limited Warranty.



Made in America

**Statfree S Plus™ Floor Mat, Vinyl/Nitrile Rubber, Homogeneous, Antifatigue, 0.375" (9.5mm)**



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Visit our online library of Tech Drawings:  
<http://www.esdsystems.com>

**Drawing: TD-S Plus**  
**Material Statfree S Plus™**

**DATE**  
**2/06**

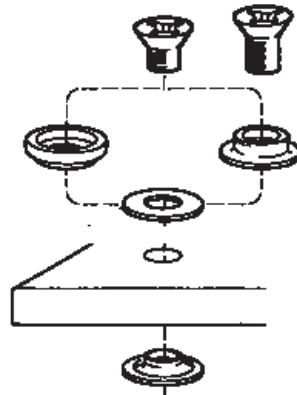
Part Number Reference for Type S Plus™ Material, Vinyl, Homogeneous, Antifatigue, 0.375" (9.5mm)

# MATS



ITEM	DESCRIPTION
11106	36" x 60" (0.9m x 1.5m)

**Tolerances:**  
 Width ± .250"  
 Length ± .250" every 1 linear foot of running material.



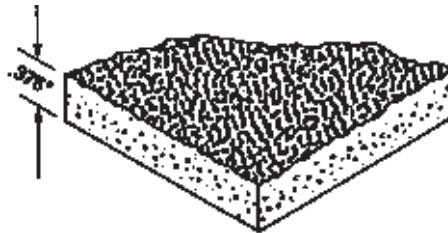
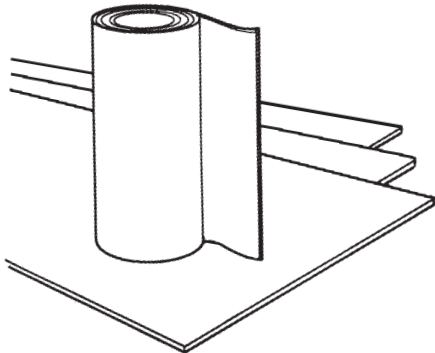
For best results use  
 Item 12000  
 10mm Screw-on Snap Kit

**Other information available:**

<u>Tech Brief</u>	<u>Item #</u>
Installation and maintenance of ESD protective surfaces .....	PS-2013
Testing mat surfaces .....	PS-2042
Cleaning mat surfaces .....	PS-2041
Workstation grounding .....	PS-2022
Wrist strap grounding .....	PS-2017
Comparison of mat types available from ESD Systems.com .....	PS-2016

**NOTE:**  
 Grounding hardware is not included with mats.

# ROLL STOCK:



0.375" (9.5 mm) Thick Rolls

ITEM	DESCRIPTION
11107	36" x 60' (0.9m x 18.3m)
11108	48" x 60' (1.2m x 18.3m)

**Hardware is not included with rolls.  
 Grounding Intervals for ESD Mats**

Sufficient ground cords should be used to reliably meet ANSI/ESD S20.20 Table 1 less than 1 x 10E9 ohms for worksurfaces. An industry recommendation has been that continuous runs of ESD matting should be grounded at ten-foot intervals to allow proper charge decay rates with each individual ESD mat should be grounded with ground snap located no further than five feet from either end.

